

# INDEX OF AUTHORS

## VOLUME XXXVI

### TRANSACTIONS OF AMERICAN SOCIETY FOR METALS

1946

<b>A</b>		<b>J</b>	
Austin, Charles R. ....	336	Jominy, W. E. ....	543
<b>B</b>		<b>L</b>	
Benford, James R. ....	452	Long, J. R. ....	116
Bowman, Fred E. ....	61		
<b>C</b>		<b>M</b>	
Cavanagh, P. E. ....	137	Martin, D. L. ....	210
Comstock, George F. ....	81		
<b>D</b>		<b>P</b>	
Dean, R. S. ....	116	Poynter, James W. ....	165
Doig, J. R. ....	336		
Dorn, John E. ....	254, 290	<b>R</b>	
<b>F</b>		Rogers, W. T. ....	361
Feustel, R. G. ....	116		
Finch, Dan M. ....	254, 290	<b>S</b>	
<b>G</b>		Strohm, J. Robert ....	543
Gensamer, Maxwell ....	30		
Graham, T. R. ....	116	<b>T</b>	
<b>H</b>		Tarasov, L. P. ....	389
Harrington, R. H. ....	311		
Hollomon, John H. ....	473	<b>V</b>	
		Van Note, W. G. ....	210
		<b>W</b>	
		Wilson, Scott P. ....	254, 290

# INDEX OF AUTHORS

VOLUME XXXVI

TRANSACTIONS OF AMERICAN SOCIETY FOR METALS

1946

<b>A</b>		<b>J</b>	
Austin, Charles R. ....	336	Jominy, W. E. ....	543
<b>B</b>		<b>L</b>	
Benford, James R. ....	452	Long, J. R. ....	116
Bowman, Fred E. ....	61		
<b>C</b>		<b>M</b>	
Cavanagh, P. E. ....	137	Martin, D. L. ....	210
Comstock, George F. ....	81		
<b>D</b>		<b>P</b>	
Dean, R. S. ....	116	Poynter, James W. ....	165
Doig, J. R. ....	336		
Dorn, John E. ....	254, 290		
<b>F</b>		<b>R</b>	
Feustel, R. G. ....	116	Rogers, W. T. ....	361
Finch, Dan M. ....	254, 290		
<b>G</b>		<b>S</b>	
Gensamer, Maxwell ....	30	Strohm, J. Robert ....	543
Graham, T. R. ....	116		
<b>H</b>		<b>T</b>	
Harrington, R. H. ....	311	Tarasov, L. P. ....	389
Hollomon, John H. ....	473		
		<b>V</b>	
		Van Note, W. G. ....	210
		<b>W</b>	
		Wilson, Scott P. ....	254, 290

# INDEX OF SUBJECTS AND AUTHORS OF PAPERS

## VOLUME XXXVI

### TRANSACTIONS OF AMERICAN SOCIETY FOR METALS

1946

#### A

Aluminum Alloys, Containing Small Amounts of Beryllium—By <i>R. H. Harrington</i> .....	311
Aluminum Alloys (Deep Drawing) at Elevated Temperatures—Part II— Deep Drawing Boxes—By <i>Dan M. Finch, Scott P. Wilson and John E. Dorn</i> .....	290
Aluminum Alloys (Deep Drawing) at Elevated Temperatures—Part I— Deep Drawing Cylindrical Cups—By <i>Dan M. Finch, Scott P. Wilson and John E. Dorn</i> .....	254
Annual Address of President .....	6
Annual Dinner of A.S.M. ....	22
Annual Meeting of A.S.M. ....	21
Annual Report of Secretary .....	14
Annual Report of Treasurer .....	11
Anti-Reflection Films for Metallographic Objectives — By <i>James R. Benford</i> .....	452
Austenitizing Characteristics and Induction Hardening of Several Medium Carbon Steels—By <i>D. L. Martin and W. G. Van Note</i> .....	210

#### B

Beryllium; New Aluminum Alloys, Containing Small Amounts of—By <i>R. H. Harrington</i> .....	311
Boxes (Deep Drawing)—Deep Drawing Aluminum Alloys at Elevated Temperatures—By <i>Dan M. Finch, Scott P. Wilson and John E. Dorn</i> .....	290
Brittleness, Temper—By <i>John H. Hollomon</i> .....	473

#### C

Campbell Memorial Lecture—20th; Strength and Ductility—By <i>Maxwell Gensamer</i> .....	30
Carbon Steels; Induction Hardening and Austenitizing Characteristics of Several Medium—By <i>D. L. Martin and W. G. Van Note</i> .....	210
Chromium Steel (4 to 6 Per Cent) Containing Molybdenum and Tita- nium; Effect of Variations in Composition and Heat Treatment on Some Properties of—By <i>George F. Comstock</i> .....	81
Cold-Worked and Heat Treated Alloys Containing 1 to 7 Per Cent Man- ganese; The Properties of—Iron-Manganese Alloys—By <i>R. S. Dean, J. R. Long, T. R. Graham and R. G. Feustel</i> .....	116
Comparisons of Stress by Correlation with High Frequency Magnetic and Eddy Current Losses—By <i>P. E. Cavanagh</i> .....	137
Composition and Heat Treatment on Some Properties of 4 to 6 Per Cent Chromium Steel Containing Molybdenum and Titanium; Effect of Variations in—By <i>George F. Comstock</i> .....	81
Cylindrical Cups (Deep Drawing)—Deep Drawing Aluminum Alloys at Elevated Temperatures—By <i>Dan M. Finch, Scott P. Wilson and John E. Dorn</i> .....	254

## D

Deep Drawing Aluminum Alloys at Elevated Temperatures—Part I— Deep Drawing Cylindrical Cups—By <i>Dan M. Finch, Scott P. Wilson and John E. Dorn</i> .....	254
Deep Drawing Aluminum Alloys at Elevated Temperatures—Part II— Deep Drawing Boxes—By <i>Dan M. Finch, Scott P. Wilson and John E. Dorn</i> .....	290
Deep Drawing Cylindrical Cups—Deep Drawing Aluminum Alloys at El- evated Temperatures—By <i>Dan M. Finch, Scott P. Wilson and John E. Dorn</i> .....	254
Detection, Causes and Prevention of Injury in Ground Surfaces—By <i>L. P. Tarasov</i> .....	389
Ductility and Strength—By <i>Maxwell Gensamer</i> .....	30

## E

Eddy Current Losses and High Frequency Magnetic; Stress Comparisons by Correlation with—By <i>P. E. Cavanagh</i> .....	137
Effect of Variations in Composition and Heat Treatment on Some Prop- erties of 4 to 6 Per Cent Chromium Steel Containing Molybdenum and Titanium—By <i>George F. Comstock</i> .....	81
Election of Officers of A.S.M. ....	21

## F

Facets in Fracture Tests; High Forging Temperatures Revealed by—By <i>J. Robert Strohm and W. E. Jominy</i> .....	543
Forging Temperatures Revealed by Facets in Fracture Tests—By <i>J. Robert Strohm and W. E. Jominy</i> .....	543
Fracture Tests; High Forging Temperatures Revealed by Facets in—By <i>J. Robert Strohm and W. E. Jominy</i> .....	543

## G

Grinding Cracks—Detection, Causes and Prevention of Injury in Ground Surfaces—By <i>L. P. Tarasov</i> .....	389
--	-----

## H

Heat Treated and Cold-Worked Alloys Containing 1 to 7 Per Cent Man- ganese; The Properties of—Iron-Manganese Alloys—By <i>R. S. Dean, J. R. Long, T. R. Graham and R. G. Feustel</i> .....	116
Heat Treatment and Composition on Some Properties of 4 to 6 Per Cent Chromium Steel Containing Molybdenum and Titanium; Effect of Variations in—By <i>George F. Comstock</i> .....	81
Heat Treatment—Metallurgical Characteristics of Induction-Hardened Steel—By <i>James W. Poynter</i> .....	165
High Forging Temperatures Revealed by Facets in Fracture Tests—By <i>J. Robert Strohm and W. E. Jominy</i> .....	543
High Frequency Magnetic and Eddy Current Losses; Stress Comparisons by Correlation with—By <i>P. E. Cavanagh</i> .....	137
Hypoeutectoid Iron-Carbon-Molybdenum Alloys; Partition of Molyb- denum in—By <i>Fred E. Bowman</i> .....	61

## I

Induction-Hardened Steel; Metallurgical Characteristics of—By <i>James W. Poynter</i> .....	165
Induction Hardening and Austenitizing Characteristics of Several Medium Carbon Steels—By <i>D. L. Martin and W. G. Van Note</i> .....	210
Iron-Carbon-Molybdenum Alloys; Partition of Molybdenum in Hypoeu- tectoid—By <i>Fred E. Bowman</i> .....	61



Iron-Manganese Alloys—The Properties of Cold-Worked and Heat Treated Alloys Containing 1 to 7 Per Cent Manganese—By <i>R. S. Dean, J. R. Long, T. R. Graham and R. G. Feustel</i> .....	116
---	-----

## M

Manganese (1 to 7 Per Cent); The Properties of Cold-Worked and Heat Treated Alloys Containing—Iron-Manganese Alloys—By <i>R. S. Dean, J. R. Long, T. R. Graham and R. G. Feustel</i> .....	116
Manganese-Molybdenum Steels; Suppression of Pearlite in—By <i>Charles R. Austin and J. R. Doig</i> .....	336
Metallographic Objectives; Anti-Reflection Films for—By <i>James R. Benford</i> .....	452
Metallurgical Characteristics of Induction-Hardened Steel—By <i>James W. Poynter</i> .....	165
Molybdenum and Titanium; Effect of Variations in Composition and Heat Treatment on Some Properties of 4 to 6 Per Cent Chromium Steel Containing—By <i>George F. Comstock</i> .....	81
Molybdenum Partition in Hypoeutectoid Iron-Carbon-Molybdenum Alloys—By <i>Fred E. Bowman</i> .....	61

## N

New Aluminum Alloys, Containing Small Amounts of Beryllium—By <i>R. H. Harrington</i> .....	311
---	-----

## P

Partition of Molybdenum in Hypoeutectoid Iron-Carbon-Molybdenum Alloys—By <i>Fred E. Bowman</i> .....	61
Pearlite Suppression in Manganese-Molybdenum Steels—By <i>Charles R. Austin and J. R. Doig</i> .....	336
Practical Application of Statistical Methods in a Quality Control Program—By <i>W. T. Rogers</i> .....	361
President's Annual Address .....	6
Properties of Cold-Worked and Heat Treated Alloys Containing 1 to 7 Per Cent Manganese—Iron-Manganese Alloys—By <i>R. S. Dean, J. R. Long, T. R. Graham and R. G. Feustel</i> .....	116

## Q

Quality Control Program; Practical Application of Statistical Methods in a—By <i>W. T. Rogers</i> .....	361
---	-----

## S

Secretary's Annual Report .....	14
Statistical Methods in a Quality Control Program; Practical Application of—By <i>W. T. Rogers</i> .....	361
Strength and Ductility—By <i>Maxwell Gensamer</i> .....	30
Stress Comparisons by Correlation with High Frequency Magnetic and Eddy Current Losses—By <i>P. E. Cavanagh</i> .....	137
Suppression of Pearlite in Manganese-Molybdenum Steels—By <i>Charles R. Austin and J. R. Doig</i> .....	336

## T

Technical Program and Reports of Officers, A.S.M.—27th Annual Convention, Cleveland, February 4 to 8, 1946.....	1
Temper Brittleness—By <i>John H. Hollomon</i> .....	473
Titanium and Molybdenum; Effect of Variations in Composition and Heat Treatment on Some Properties of 4 to 6 Per Cent Chromium Steel Containing—By <i>George F. Comstock</i> .....	81
Treasurer's Report .....	11